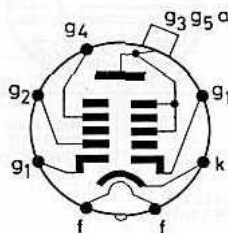


Black and White Picture Tubes

A 41-10 W

For Replacement

41 cm rectangular picture tube with 110° deflection angle, electrostatic focusing, aluminized screen and steel jacket including tube mount



1. Generalities

Electron Gun	Tetrode with Einzel-Lens	
Bulb	All-Glass Type	
Base	German Standard DIN 44431 (Short Design)	
Focusing Method	Electrostatic	
Deflection Method	Magnetic	
Deflection Angles	Diagonal	110°
	Horizontal	99°
	Vertical	82°
Neck Diameter	28,6 mm	
Face	Shape	Spherical
	Material	Filter-Glass (Light Transmission 63 % approx.)
Screen	Phosphor P4 Aluminized	
Fluorescence Colour	White	
Colour Temperature	12 000 °K (approx.)	
Minimum Useful	322 x 254 mm	
Dimensions	Diagonal 372 mm	
Overall Length	273 ± 7 mm	
Weight	4,2 kg (approx.)	

2. Typical Operating Conditions

U_f ②	6,3 V
I_f	0,3 ± 6% A
U_{g3g5a}	18 kV
U_{g2}	400 V
U_{g4} ③	0 ... 400 V
$(-U_{g1})$ cutoff ④	40 ... 77 V
U_k cutoff ④	30 ... 66 V

3. Maximum Ratings

U_{g3g5a} max ⑤	18 kV
U_{g3g5a} min ⑥	13 kV
U_{g4} max	1000 V
$(-U_{g4})$ max	500 V
I_{g4} max	25 µA
U_{g2} max	550 V
U_{g2} min	200 V
U_{g1} max	0 V
U_{g1} p max	2 V
$(-U_{g1})$ max	150 V
R_{g1} max	1,5 MΩ
Z_{g1} max	0,5 MΩ
P_{lm} max	10 mW/cm ²
$U_{-f/k}$ max 1 ⑩ ⑨	410 V
$U_{-f/k}$ max 2 ⑩ ⑨	200 V
$U_{+f/k}$ max	135 V
$R_{f/k}$ max ⑪	1,0 MΩ
$Z_{f/k}$ max ⑫	0,1 MΩ

4. Capacitances

C_{g1}	approx.	6 pF
C_k	approx.	5 pF
$C_{g3g5a/m}$ max		1500 pF
$C_{g3g5a/m}$ min		800 pF

Implosion protection by steel reinforcement.
Admitted by Association of German Electrical Engineers, VDE.

A 41—10 W

Dimensional Drawings in mm



Reference line gauge see page 11